

Claims

1. A method of interference control in a radio terminal equipment arrangement comprising: a cellular core unit and at least one peripheral unit, the cellular core unit communicating with a peripheral unit using a wireless low power radio frequency (LPRF) connection, the method comprising:

establishing an outside LPRF connection to a unit other than the core unit by a peripheral unit;

giving a control command by the core unit for adjusting the outside LPRF connection activity of the peripheral unit when another LPRF connection needs to be established by the core unit, the other LPRF connection operating on the same frequency band as the outside LPRF connection of the peripheral unit; and

adjusting the outside LPRF connection activity of the peripheral unit based on the control command received from the core unit.

2. The method of claim 1, comprising establishing the other LPRF connection by the core unit after when the outside LPRF connection activity of the peripheral unit has been adjusted.

3. The method of claim 1, wherein before establishing the outside LPRF connection, the method further comprising informing the core unit about the outside LPRF connection being established.

4. The method of claim 1, further comprising periodically pausing the established outside LPRF connection activity and communicating with the core unit during the pause in order to resolve whether the core unit has control commands for the peripheral unit for adjusting the outside LPRF connection activity.

5. The method of claim 1, comprising using a Bluetooth sleep mode techniques in order to resolve whether the core unit has control commands for adjusting the outside LPRF connection activity.

6. The method of claim 1, wherein the other LPRF connection being established between the core unit and a peripheral unit.

7. The method of claim 6, wherein the other LPRF connection being established between the core unit and the same peripheral unit that establishes the outside LPRF connection.

8. The method of claim 1, wherein the other LPRF connection being established between the core unit and a unit other than a peripheral unit of the radio system.

9. The method of claim 1, wherein the step of adjusting the outside LPRF connection comprising decreasing the power of the outside LPRF connection.

10. The method of claim 1, wherein the step of adjusting the outside LPRF connection comprising restricting using of the outside LPRF connection.

11. The method of claim 1, wherein the step of adjusting the outside LPRF connection comprising pausing the outside LPRF connection activity.

12. The method of claim 1, wherein the outside LPRF connection or the other LPRF connection is a WLAN connection.

13. The method of claim 1, wherein the outside LPRF connection or the other LPRF connection is a Bluetooth connection.

14. The method of claim 1, wherein the outside LPRF connection established by the peripheral unit is a WLAN connection and the other LPRF connection established by the core unit is a Bluetooth connection.

15. The method of claim 1, further comprising informing the core unit when the outside LPRF connection ends.

16. A radio terminal equipment arrangement comprising: a cellular core unit and at least one peripheral unit, the cellular core unit being configured to communicate with a peripheral unit using a wireless low power radio frequency (LPRF) connection, a peripheral unit being configured to establish an outside LPRF connection to a unit other than the core unit, wherein

the core unit is further configured to give a control command for adjusting the outside LPRF connection activity of the peripheral unit when another LPRF connection needs to be established by the core unit, the other LPRF connection operating on the same frequency band as the outside LPRF connection of the peripheral unit; and

the peripheral unit is configured to adjust the outside LPRF connection activity based on the control command received from the core unit.

17. A radio terminal equipment arrangement of claim 16, wherein the core unit is configured to establish the other LPRF connection after when the outside LPRF connection activity of the peripheral unit has been adjusted.

18. A radio terminal equipment arrangement of claim 16, wherein the peripheral unit is configured to inform the core unit about the outside LPRF connection being established.

19. A radio terminal equipment arrangement of claim 16, wherein the peripheral unit is further configured to periodically pause the established outside LPRF connection activity and to communicate with the core unit during the pause in order to resolve whether the core unit has control commands for the peripheral unit for adjusting the outside LPRF connection activity.

20. A radio terminal equipment arrangement of claim 16, wherein the peripheral unit is configured to use a Bluetooth sleep mode techniques in order to resolve whether the core unit has control commands for adjusting the outside LPRF connection activity.

21. A radio terminal equipment arrangement of claim 16, wherein the core unit is configured to establish the other LPRF connection between the core unit and a peripheral unit.

22. A radio terminal equipment arrangement of claim 16, wherein the core unit is configured to establish the other LPRF connection between the core unit and the same peripheral unit that is configured to establish the outside LPRF connection.

23. A radio terminal equipment arrangement of claim 16, wherein the core unit is configured to establish the other LPRF connection between the core unit and a unit other than a peripheral unit of the radio system.

24. A radio terminal equipment arrangement of claim 16, wherein the peripheral unit is configured to adjust the outside LPRF connection by decreasing the power of the outside LPRF connection.

25. A radio terminal equipment arrangement of claim 16, wherein the peripheral unit is configured to adjust the outside LPRF connection by restricting the use of the outside LPRF connection.

26. A radio terminal equipment arrangement of claim 16, wherein the peripheral unit is configured to adjust the outside LPRF connection by pausing the outside LPRF connection activity.

27. A radio terminal equipment arrangement of claim 16, wherein the outside LPRF connection or the other LPRF connection is a WLAN connection.

28. A radio terminal equipment arrangement of claim 16, wherein the outside LPRF connection or the other LPRF connection is a Bluetooth connection.

29. A radio terminal equipment arrangement of claim 16, wherein the outside LPRF connection established by the peripheral unit is a WLAN

connection and the other LPRF connection established by the core unit is a Bluetooth connection.

30. A radio terminal equipment arrangement of claim 16, wherein the peripheral unit is configured to inform the core unit when the outside LPRF connection ends.